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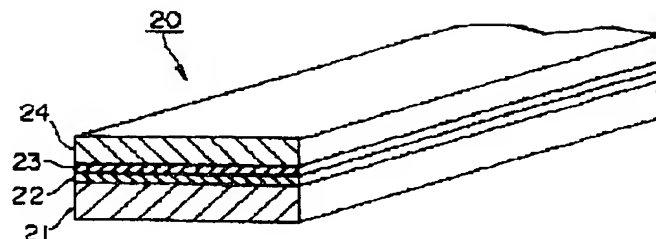
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TITLE : OXIDE SUPERCONDUCTING
CONDUCTOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide an oxide superconducting conductor superior in superconductivity characteristics by having an antidiffusion layer for prevent the diffusion of elements from an oxide superconducting layer.

SOLUTION: This conductor 20 comprises a tape-like base material 21, an orientation-controlled polycrystalline intermediate thin film 22, which is formed on a surface of the base material 21 and in which a multiplicity of crystal grains are bonded together, the antidiffusion layer 23 formed on the orientation- controlled polycrystalline intermediate thin film 22, and an oxide superconducting layer 24 formed on the antidiffusion layer 23. The antidiffusion layer 23 is composed of at least one of Y_2O_3 CeO_2 .

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